



SEQUENCE LISTING

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Southwood, Scott
Epimmune, Inc.

<120> HLA Binding Peptides and Their Uses

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<141> 1998-11-10

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1          5          10

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1          5          10

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 1 5 10

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<400> 321
 Gly Pro Leu Pro Ala Ala Arg Pro Ala Gly Ala
 1 5 10

<210> 322
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<400> 322
 Gly Pro Leu Pro Ala Ala Arg Pro Ala Gly Ile
 1 5 10

<210> 323
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 <223> p53.74 peptide 40.0231

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 Ala Pro Ala Pro Ala Ala Pro Thr Pro Ala Ala
 1 5 10

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1           5           10

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1           5           10

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Ala Pro Ala Ala Pro Thr Pro Ala Ala Pro Ile
1           5           10

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1           5

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Leu Pro Gln His Leu Phe Gly Ile
1           5

    <210> 329
    <211> 8

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1              5

    <210> 330
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    <223> CEA.632.I8 peptide 45.0010

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Ile  Pro Gln Gln His Thr Gln Ile
1              5

    <210> 331
    <211> 8
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    <220>
    <223> CEA.646.I8 peptide 45.0011

    <400> 331
Thr  Pro Asn Asn Asn Gly Thr Ile
1              5

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Cys  Pro Leu His Asn Gln Glu Ile
1              5

    <210> 333
    <211> 8
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    <220>
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    <400> 333
Lys  Pro Cys Ala Arg Val Cys Ile
1              5

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Trp Pro Asp Ser Leu Pro Asp Ile
 1               5

    <210> 335
    <211> 8
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    <400> 335
Ser Pro Tyr Val Ser Arg Leu Ile
 1               5

    <210> 336
    <211> 8
    <212> PRT
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Val Pro Ile Lys Trp Met Ala Ile
 1               5

    <210> 337
    <211> 8
    <212> PRT
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    <220>
    <223> Her2/neu.966I8 peptide 45.0026

    <400> 337
Arg Pro Arg Phe Arg Glu Leu Ile
 1               5

    <210> 338
    <211> 8
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    <220>
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Ala Pro Gly Ala Gly Gly Met Ile
1           5

      <210> 339
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      <400> 339
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1           5

      <210> 340
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1           5

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Tyr Pro Leu Trp Ser Gln Ser Ile
1           5

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Ser Pro Leu Pro Ser Gln Ala Ile
1           5

      <210> 343
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1           5

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1           5

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1           5

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Ile Pro Gln Gln His Thr Gln Val Ile
1           5

    <210> 347
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    <212> PRT
    <213> Artificial Sequence

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    <400> 347
Ala Pro Pro Val Ala Pro Ala Pro Ile
1           5

    <210> 348
    <211> 9

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<212> PRT
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<220>
<223> p53.76.I9 peptide 45.0062

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1          5

<210> 349
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53.152.I9 peptide 45.0064

<400> 349
Pro Pro Gly Thr Arg Val Arg Ala Ile
1          5

<210> 350
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> p53.189.I9 peptide 45.0065

<400> 350
Ala Pro Pro Gln His Leu Ile Arg Ile
1          5

<210> 351
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CEA.632.I10 peptide 45.0071

<400> 351
Ile Pro Gln Gln His Thr Gln Val Leu Ile
1          5          10

<210> 352
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CEA.680.I10 peptide 45.0072

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Ser Pro Gly Leu Ser Ala Gly Ala Thr Ile
1          5          10

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    <210> 353
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    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Her2/neu.196.I10 peptide 45.0073

    <400> 353
Ser  Pro  Met  Cys  Lys  Gly  Ser  Arg  Cys  Ile
1          5          10

    <210> 354
    <211> 10
    <212> PRT
    <213> Artificial Sequence

    <220>
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    <400> 354
Met  Pro  Asn  Pro  Glu  Gly  Arg  Tyr  Thr  Ile
1          5          10

    <210> 355
    <211> 10
    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> Her2/neu.315.I10 peptide 45.0076

    <400> 355
Cys  Pro  Leu  His  Asn  Gln  Glu  Val  Thr  Ile
1          5          10

    <210> 356
    <211> 10
    <212> PRT
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    <223> Her2/neu.605.I10 peptide 45.0079

    <400> 356
Lys  Pro  Asp  Leu  Ser  Tyr  Met  Pro  Ile  Ile
1          5          10

    <210> 357
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    <212> PRT
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    <220>
    <223> Her2/neu.701.I10 peptide 45.0080

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Thr Pro Ser Gly Ala Met Pro Asn Gln Ile
1          5          10

    <210> 358
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    <212> PRT
    <213> Artificial Sequence

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1          5          10

    <210> 359
    <211> 10
    <212> PRT
    <213> Artificial Sequence

    <220>
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Ala Pro Pro Val Ala Pro Ala Pro Ala Ile
1          5          10

    <210> 360
    <211> 10
    <212> PRT
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1          5          10

    <210> 361
    <211> 10
    <212> PRT
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    <220>
    <223> p53.79.I10 peptide 45.0093

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Ala Pro Thr Pro Ala Ala Pro Ala Pro Ile
1          5          10

    <210> 362
    <211> 10
    <212> PRT
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1          5          10

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    <211> 11
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Ala Pro Thr Ile Ser Pro Leu Asn Thr Ser Ile
1          5          10

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    <211> 11
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Ser Pro Ser Tyr Thr Tyr Tyr Arg Pro Gly Ile
1          5          10

    <210> 365
    <211> 11
    <212> PRT
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Cys Pro Ser Gly Val Lys Pro Asp Leu Ser Ile
1          5          10

    <210> 366
    <211> 11
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    <400> 366
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1          5          10

    <210> 367
    <211> 11

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<212> PRT
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<220>
<223> Her2/neu.740.I11 peptide 45.0119

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1          5          10

<210> 368
<211> 11
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<220>
<223> Her2/neu.998.I11 peptide 45.0124

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Ser Pro Leu Asp Ser Thr Phe Tyr Arg Ser Ile
1          5          10

<210> 369
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<220>
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1          5          10

<210> 370
<211> 11
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<220>
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1          5          10

<210> 371
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<220>
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1          5          10

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    <220>
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1           5           10

    <210> 373
    <211> 11
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    <400> 373
Ala Pro Arg Met Pro Glu Ala Ala Pro Pro Ile
1           5           10

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    <400> 374
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1           5           10

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1           5

    <210> 376
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    <212> PRT
    <213> Artificial Sequence

    <220>
    <223> HBV POL 541 analog peptide 1145.09

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<400> 376
Phe Pro Val Cys Leu Ala Phe Ser Tyr
1 5

<210> 377
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<220>
<223> HBV.pol645 peptide 26.0570

<400> 377
Tyr Pro Ala Leu Met Pro Leu Tyr Ala Cys Ile
1 5 10

<210> 378
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<220>
<223> HLA-A3,2 allele-specific motif

<220>
<221> VARIANT
<222> (1)...(10)
<223> Xaa at location 1 is any amino acid;
Xaa at location 2 is V, L, or M;
Xaa at location 3 is Y or D;
Xaa at location 4 is any amino acid;
<220>
<223> Xaa at location 5 is any amino acid;
Xaa at location 6 is any amino acid;
Xaa at location 8 is Q or N

<400> 378
Xaa Xaa Xaa Xaa Xaa Xaa Ile Xaa Lys Lys
1 5 10

<210> 379
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> HLA-A11 allele-specific motif

<220>
<221> VARIANT
<222> (1)...(10)
<223> Xaa at location 1 is any amino acid;
Xaa at location 2 is T or V;
Xaa at location 3 is M or F;
Xaa at location 4 is any amino acid;

<220>
 <223> Xaa at location 5 is any amino acid;
 Xaa at location 6 is any amino acid;
 Xaa at location 7 is any amino acid

<400> 379
 Xaa Xaa Xaa Xaa Xaa Xaa Gln Lys Lys
 1 5 10

<210> 380
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> HLA-A24.1 allele-specific motif

<220>
 <221> VARIANT
 <222> (1)...(10)
 <223> Xaa at location 1 is any amino acid;
 Xaa at location 3 is I or M;
 Xaa at location 4 is D, E, G K or P;
 Xaa at location 5 is L, M or N ;

<220>
 <223> Xaa at location 7 is N or V;
 Xaa at location 8 is A, E, K, Q or S;
 Xaa at location 9 is F or L;
 Xaa at location 10 is F or A

<400> 380
 Xaa Tyr Xaa Xaa Xaa Val Xaa Xaa Xaa Xaa
 1 5 10
